GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

STARRED QUESTION NO:44
ANSWERED ON:07.08.2013
URANIUM RESOURCES
Dubey Shri Nishikant ;Verma Smt. Usha

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) the requirement of nuclear fuel/uranium for the atomic power plants being run and under construction in the country;

(b) whether India is self-reliant in nuclear fuel/uranium resources;

(c) if so, the details thereof along with the details of uranium reserves found in the country during the last three years and the current year; location and State-wise;

(d) the efforts being made to explore new uranium mines in the country, Statewise; and

(e) the steps taken/being taken by the Government to acquire uranium mines in other countries with a view to ensuring continuous supply of uranium to nuclear reactors in the country?

Answer

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY)

(a) to (e) A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION NO.44 DUE FOR ANSWER ON 07.08.2013 BY SHRI NISHIKANT DUBEY AND SHRIMATI USHA VERMA REGARDING URANIUM RESOURCES

(a) The appropriate requirements of nuclear fuel/ uranium for Pressurised Heavy Water Reactors are as given below:

Unit Capacity (MW)	Annual Fuel Requirement at 85% Capacity Factor (tonnes UO2)
220	45
540	100
700	125

The appropriate requirements of low enriched uranium for Light Water Reactors are as given below:

Unit Capacity (MW)	Annual Fuel Requirement at 85% Capacity Factor (tonnes low enriched uranium)
160	6
1000	27

(b) No sir. The currently known reserves of indigenous uranium in the country are not sufficient in terms of fuel supply to run atomic power stations in the country.

(c) The details of in situ U3O8 reserves established by Atomic Minerals Directorate for Exploration and Research (AMD), a

constituent unit under the Department of Atomic Energy during the last three financial years and current financial year are as given under:

U3O8 in tones

State	2010-11	2011-12	2012-13	2013-14 (As on May 2013)
RAJASTHAN	996	55	518	-
MEGHALAYA	1326	1160	719	-
ANDHRA PRADESH	20306	6650	9479	4291
JHARKHAND	-	3169	4571	-

(d) AMD is engaged for establishing uranium resources in the country. Surveys by AMD includes heliborne geophysical surveys and AMD continues its efforts to locate additional resources of uranium by conducting such surveys in order to locate new uranium reserves in the country.

Major areas which are currently under survey and exploration to augment uranium reserves in India include:

a. Tummalapalle-Rachakuntapalle, Kadappa district, Andhra Pradesh b. Koppunuru and adjoining areas, Guntur district, Andhra Pradesh c. Rohil and adjoining areas, Sikar district, Rajasthan d. Wahkut and Umthongkut areas of West Khasi Hills district, Meghalaya e. Gogi, Yadgir district, Karnataka f. Singridungri-Banadungri, East Singhbhum district, Jharkhand and g. Bangurdih, Seraikela-Kharsawan district, Jharkhand.

(e) No specific proposals in this regard are under consideration in the Department.